

FIG. 1 is a perspective view of a device 10 for measuring the thickness of a material 12. The device 10 includes a base 14, a frame 16, and a probe 18. The probe 18 is connected to the frame 16 by a hinge 20. The probe 18 is positioned to contact the material 12. The device 10 is used to measure the thickness of the material 12 by comparing the distance between the probe 18 and the base 14 to a known thickness.

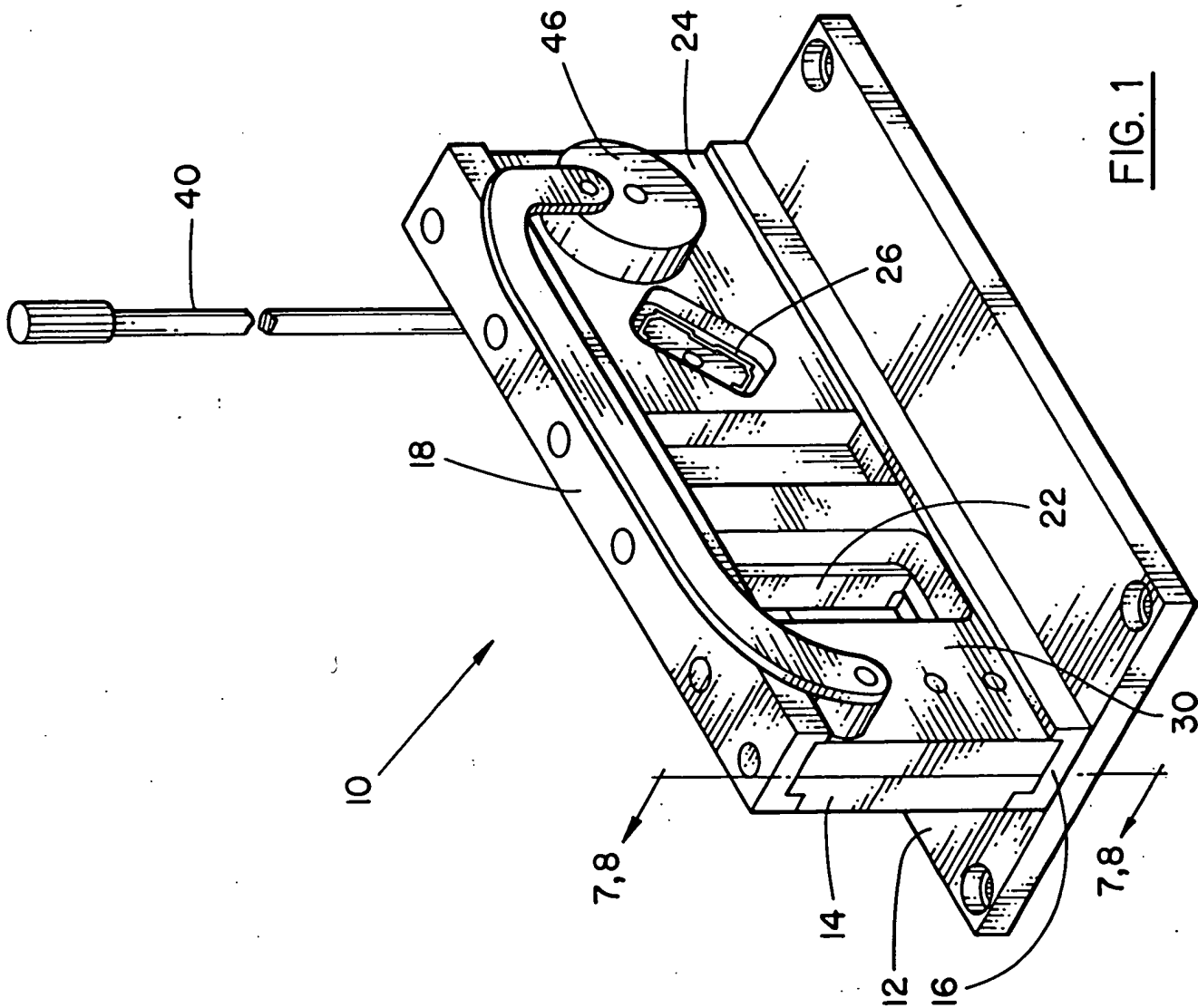


FIG. 1

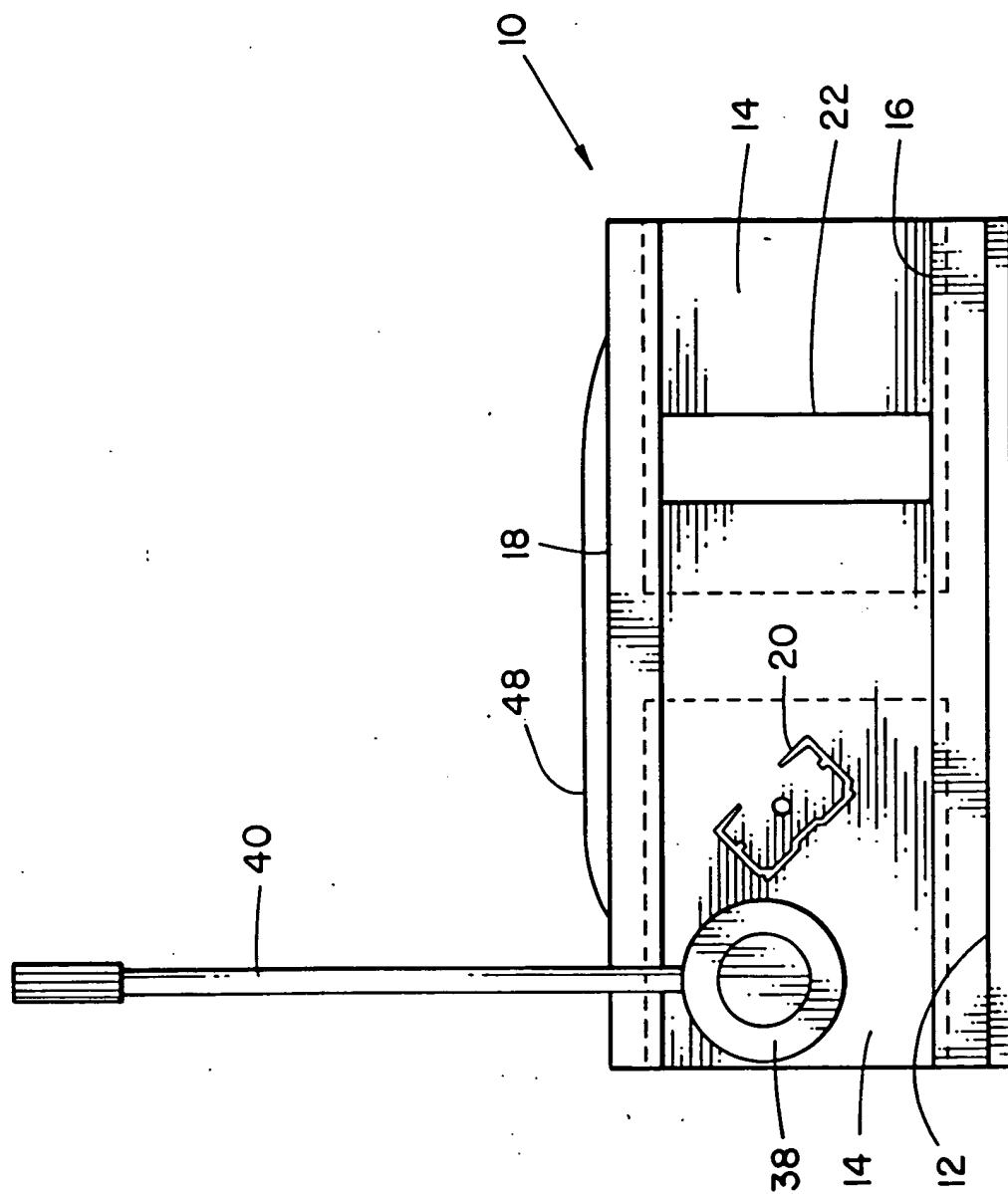


FIG. 2

FIG. 3 is a cross-sectional view of the device taken along line 3-3 of FIG. 1. The device includes a base 12, a support 14, a spring 16, a plunger 18, a piston 20, a rod 22, a valve 24, a seal 26, a gasket 28, a pin 30, a nut 32, a washer 34, a bolt 36, a screw 38, a plug 40, a cap 42, a cover 44, a flange 46, a ring 48, and a collar 50.

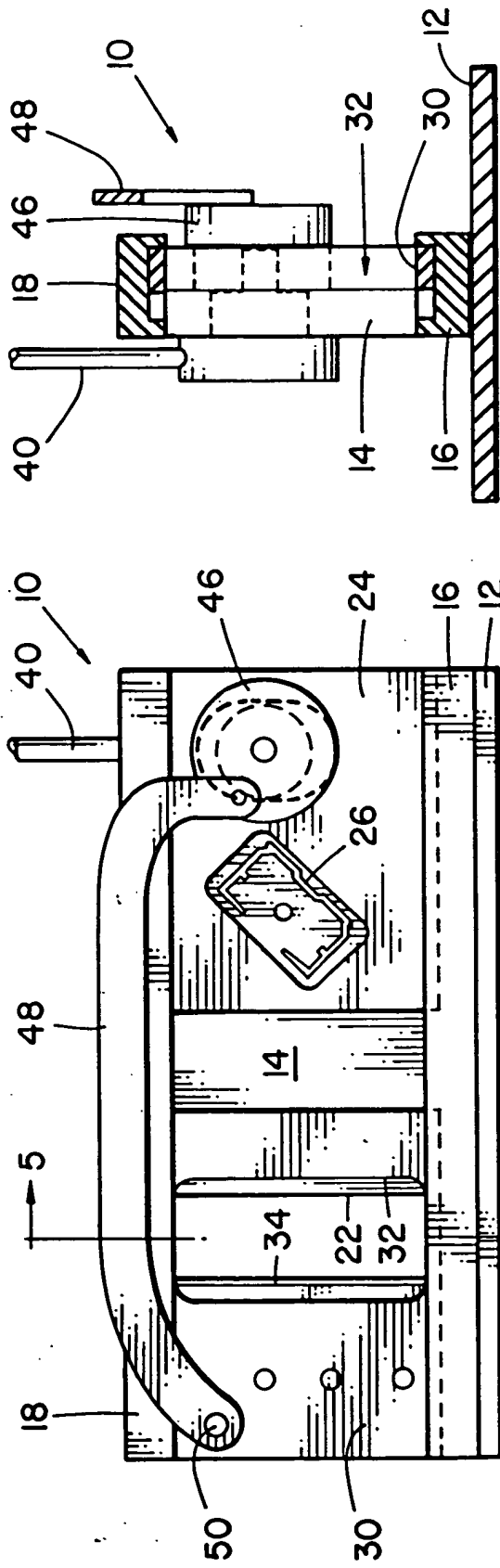


FIG. 3

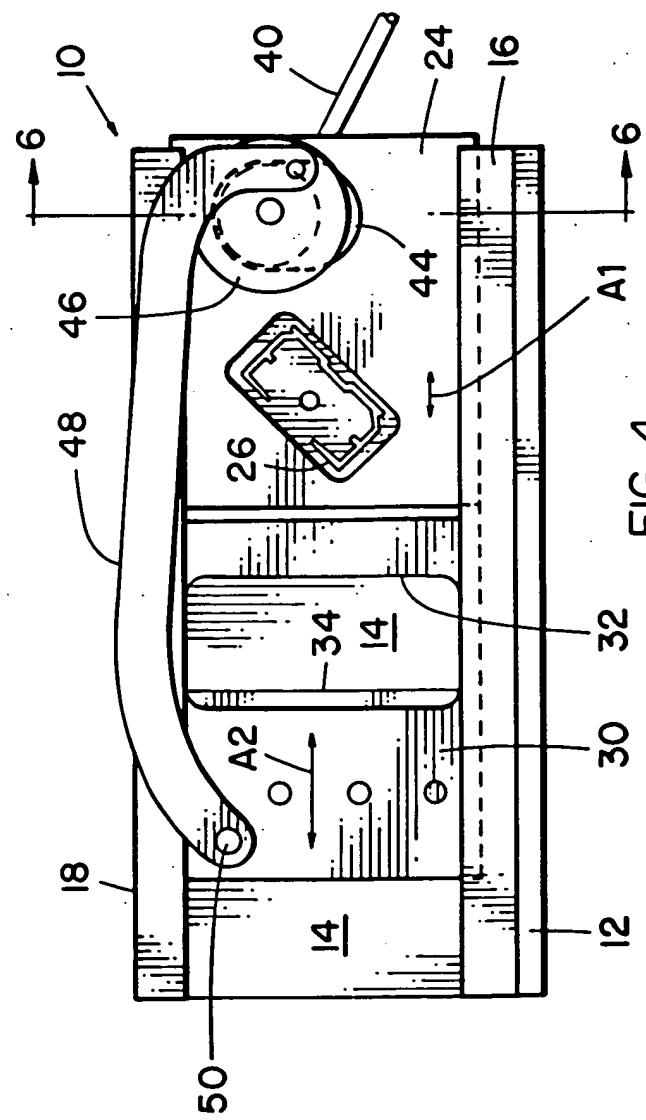


FIG. 4

FIG. 5

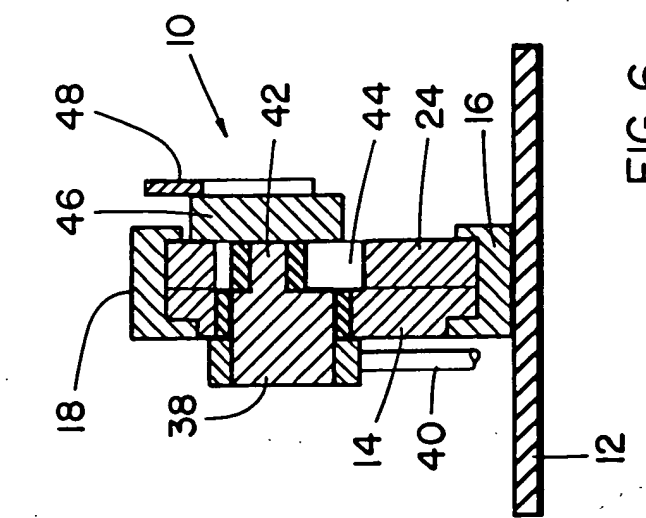


FIG. 6

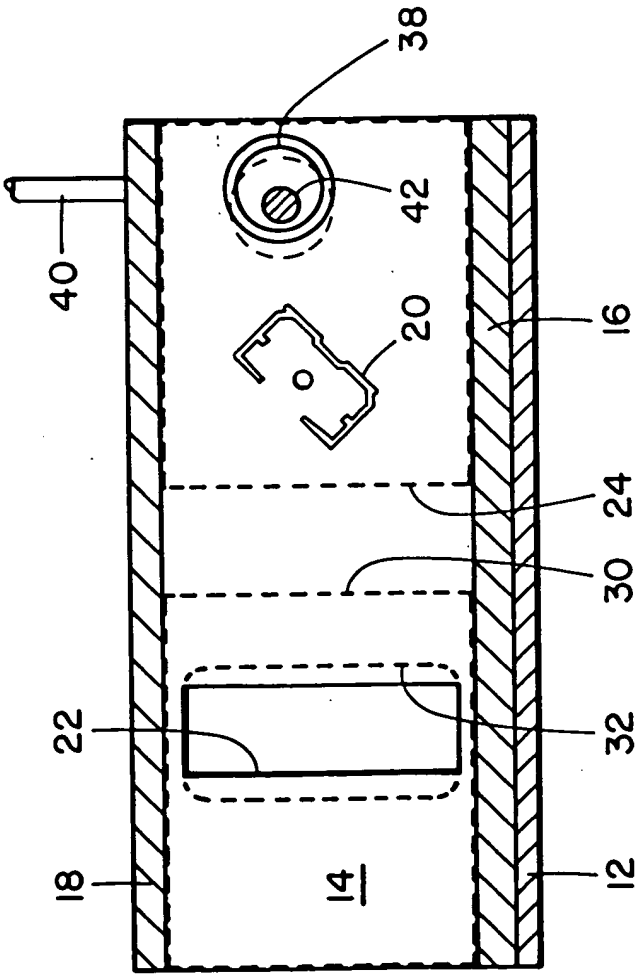


FIG. 7

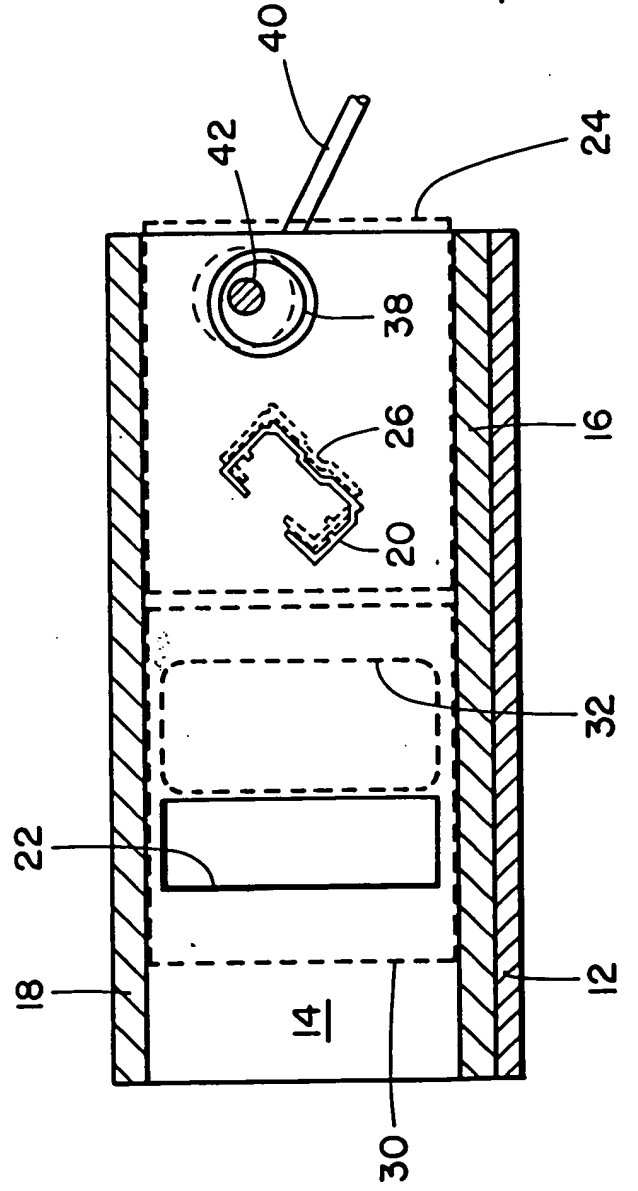


FIG. 8

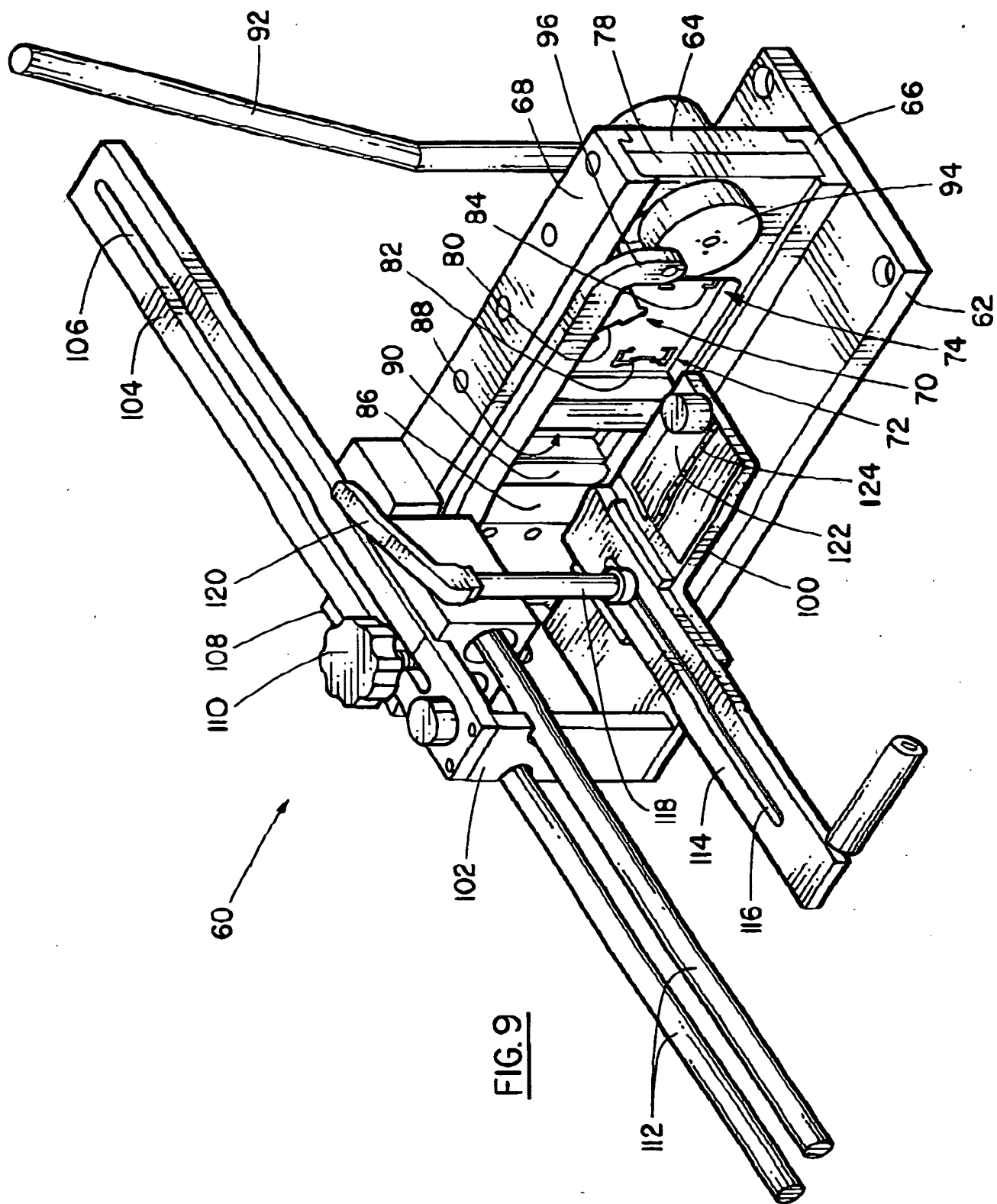


FIG. 10

